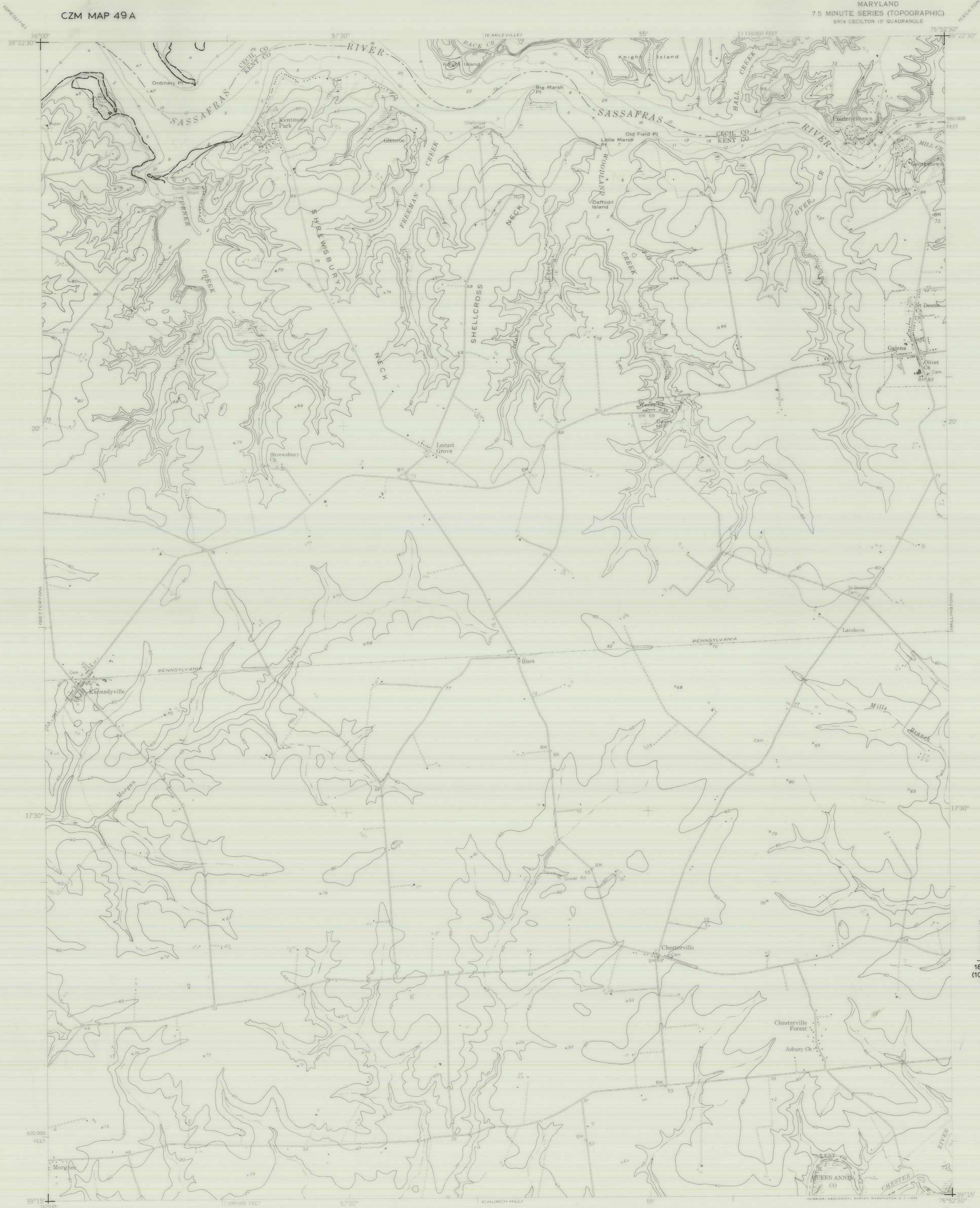


PEEL PROTECTIVE STRIP TO EXPOSE ADHESIVE. POSITION EDGE OF PRINT ON THIS LINE AND RUB TO ADHERE.

HISTORICAL SHORELINES

GALENA QUADRANGLE
MARYLAND
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW 1/4 CECILTON 15' QUADRANGLE

CZM MAP 49A



1846 to 1953
(107 yr period)
Erosion Rate
Scales
(ft/yr)

Map prepared by the Army Map Service
Edited and published by the Geological Survey
Control by USGS and USC&GS
Culture and drainage in part compiled from aerial photographs
taken 1937 and 1942. Topography by plane-table surveys
Culture revised by the Geological Survey 1953
Hydrography from USC&GS chart 5/2 dated 1941

Map prepared by Maryland Geological
Survey with funds from National
Oceanographic Atmospheric Administration
(NOAA) made available through Department
of Natural Resources Coastal Zone
Management Program
Compiled by Robert D. Conkright, 1975
Basic data from M.G.S. Bulletin 6

SCALE 1:24,000
1 2 3 4 5 6 7 8 9 10
0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
Kilometers

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS 7 FEET

1846 SHORELINE -----
BASE MAP SHORELINE 1953

Erosion Rates
Exact erosion rates can be calculated by dividing the distance between shorelines by the difference in their dates.
Erosion rate categories can be estimated by using the
Erosion Rate Scale in the right-hand margin. Place the
left-hand line of the scale against the earliest shoreline
and read the name of the erosion rate category.

GALENA, MD.
SW 1/4 CECILTON 15' QUADRANGLE
N 39° 15' W 75° 52' 15"
1953